

### In the Claims

1. (Currently Amended) Connector system (1') for a first part (2) and a second part (3), wherein:

- said first part (2) comprises a power supply line (8), a plurality of signal contacts (5) and a plurality of ground contacts (6);
- said second part (3) comprises a plurality of corresponding signal contacts (11) and a plurality of corresponding ground contacts (12)

**characterised in that**

said power supply line (8) is connected to at least one ground contact (6') of said first part (2) and extended into said second part (3) by a connection between said ground contact (6') and a corresponding ground contact (12') of said second part (3).

2. (Currently Amended) Connector system according to claim 1, wherein said first part (2) is a device board and said second part (3) is a connector assembly of a cable (14) for transmitting signals to a third part (16).

3. (Currently Amended) Connector system according to claim 2, wherein said connector assembly (3) is adapted to isolate said power supply line (8) from said cable (14).

4. (Currently Amended) Connector system according to ~~any of the preceding~~ claims 1 wherein said connector assembly (3) comprises an electronic circuit (7) fed,

in operation, by said power supply line (8).

5. (Currently Amended) Connector system according to claim 4 wherein said electronic circuit (7) comprises an active equalisation device.

6. (Currently Amended) Connector assembly (3) for use in a connector system according to any of the preceding claims.

7. (Currently Amended) Device board (2) for use in a connector system according to ~~any of the preceding claims~~ 1.